

## Curriculum Vitae

### Steven A. Murawski, Ph.D.



#### Contact Information:

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#### Professional Experience:

**Research Professor and St. Petersburg Downtown - Peter Betzer Endowed Chair. University of South Florida, College of Marine Science, St. Petersburg, Florida (January 2011 to present)**

As a Research Professor, my duties are to develop and conduct an active program of research, collaboration, and professional development commensurate with the goals of the University. I am actively engaged in program development for integrated sciences across the St. Petersburg and Tampa campuses of the University. I am developing interdisciplinary programs and research investigating how activities such as recovery of the Gulf of Mexico marine ecosystem can be structured to achieve long term positive outcomes. My research in fisheries science includes developing new technological approaches to the assessment of resource status (reef fishes), using novel techniques for understanding fishermen's behavior and choice, and investigating the short- and long-term effects of the Deepwater Horizon oil spill on marine animal populations. I continue to be involved in international fisheries and marine science activities, recently serving as vice-president and USA delegate to the International Council for the Exploration of the Seas (ICES), and external advisor to the United Nations Food and Agriculture's Ecosystem Approaches to Management program in Africa. Additionally, I have recently been named by the National Academy of Sciences as a member of the US Committee for the International Institute for Applied Systems Analysis (IIASA), and as a member of the Gulf of Mexico Fishery Management Council's Ecosystem Scientific and Statistical Committee.

**Director of Scientific Programs and Chief Science Advisor, National Marine Fisheries Service, Informal Title: Chief Scientist 2005-2010 - Position: Federal Senior Executive Service (SES).**

**Duties:** As Chief Scientist for the U.S. National Marine Fisheries Service, I was responsible for the development and implementation of national science programs for the agency. This included the policies and priorities for the use of science supporting the federal Magnuson Stevens Fishery Conservation and Management Reauthorization Act, the Endangered Species Act, the Marine Mammal Protection Act, and many other statutes requiring ecological science input for implementation of federal laws and statutes. Overall, I supervised 1,400 permanent employees and about 600 contractors, and execute an annual budget of \$500 million, organized into 25 laboratories within six regional Centers (Northeast to the western Pacific Islands). Our science capability utilizes 11 ocean-going research vessels as well as numerous other infrastructure assets and technologies.

**Director, Office of Science and Technology, NOAA Fisheries Service**, Silver Spring Maryland, 2004-2005. Responsible for domestic fisheries stock assessment and science issues, as well as chairing NOAA Fisheries' Science Board

**Chief, Population Dynamics Branch, Northeast Fisheries Science Center**, NOAA Fisheries Service, Woods Hole, Massachusetts, 1990-2004. Chief scientist providing research necessary for managing fisheries in New England and the Middle Atlantic states.

**Fishery Biologist, NOAA Fisheries Service, Northeast Fisheries Science Center**, Sandy Hook, New Jersey, and Woods Hole, Massachusetts - 1976-1990. Stock assessment and ecosystem studies researcher providing information required to manage New England and Middle Atlantic fisheries.

### **Education:**

**Ph.D.** 1984 - Department of Forestry and Wildlife Management, major: Fisheries and Wildlife Biology, University of Massachusetts- Amherst, dissertation title: *Simulating optimal harvest strategies for mixed-species trawl fisheries off the Northeast coast of the United States*.

### **Awards:**

**Dwight A. Webster Memorial Award**. American Fisheries Society, Northeastern Division. April, 2011. For: Meritorious/prestigious service to the profession and fisheries

**Presidential Rank Award for Meritorious Service**, United States Senior Executive Service, Conferred by President Barak Obama, October, 2009

U.S. Department of Commerce **GOLD Medal**, 2007, for: "Assisting in the passage of the 2006 Magnuson Stevens Fishery Conservation and Management Reauthorization Act, a major administration priority".

NOAA **BRONZE Medal** 2007, for "providing the vision and scientific and organizational leadership across NOAA to respond to devastating effects of hurricanes Katrina and Rita".

**David Belding Award** for Fishery Research and Conservation. Massachusetts Division of Marine Fisheries, December, 2004.

NOAA **BRONZE Medal**, 2003, for "developing new analytical techniques for computing biological reference points and developing adaptive management approaches for New England groundfish" September, 2003.

National Marine Fisheries Service, **Employee of the Year**, Northeast Fisheries Science Center, Management & Supervision Category. March, 2003.

**Distinguished Alumni Award**, 2003. Department of Natural Resource Conservation, University of Massachusetts, Amherst, Massachusetts, April, 2003.

NOAA **BRONZE Medal**, 1999, for "the rapid and successful implementation of a fishery management program of principle importance to the Agency".

NOAA **BRONZE Medal**, 1994, for "professional accomplishments in fishery population dynamics research".

**Selected Recent Publications** (full list of 160 available on request):

**Murawski, S.A.** 2011. Summing up Sendai: Progress in integrating climate change science and fisheries. *ICES Journal of Marine Science* (published online).

**Murawski, S.A.** 2010. Rebuilding depleted fish stocks: the good, the bad, and, mostly, the ugly. *ICES Journal of Marine Science*, 67: 1830-1840.

**Murawski, S. A., Steele, J. H., Taylor, P., Fogarty, M. J., Sissenwine, M. P., Ford, M., and Suchman, C.** 2010. Why compare marine ecosystems? *ICES Journal of Marine Science*, 67: 1-9.

**Levin, P.S., M.J. Fogarty, S.A. Murawski, D. Fluharty, and A. Smith.** 2009. Integrated ecosystem assessments: Developing the scientific basis for ecosystem-based management of the ocean. *Public Library of Science (Biology)* Volume 7: 23-28.

**Brodziak, J., S.X. Cadrin, C.M. Legault and S.A. Murawski.** 2008. Goals and strategies for rebuilding New England groundfish stocks. *Fisheries Research* 94: 355–366.

**Murawski, S.A.** 2007. Ten myths concerning ecosystem approaches to marine resource management. *MARINE POLICY* 31, 681-690.

**Murawski, S.A., S.E. Wigley, M.P. Fogarty, P.J. Rago, and D.G. Mountain.** 2005. Effort distribution and catch patterns adjacent to temperate MPAs. *ICES Journal of Marine Science* 62: 1150-1167.